

United States of America  
Department of Transportation — Federal Aviation Administration  
**Supplemental Type Certificate**

*Number*

SA3810WE

Certificate  
**SURRENDERED**

on **9/12/08**

*This certificate, issued to*

Aircraft Tank Service, Incorporated

*certifies that the change in the type design for the following product with the limitations and conditions*

*therefor as specified hereon meets the airworthiness requirements of Part 4b\* of the Civil Air*  
\* Certification basis is set forth on Type Certificate Data Sheet  
*Regulations.* A3WE Revision 12

*Original Product — Type Certificate Number:*

A3WE

*Make:*

Boeing

*Model:*

727-100 Series (SEE PAGE 4)

*Description of Type Design Change:*

SEE PAGE 3

*Limitations and Conditions:*

SEE PAGE 3

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:*

June 9, 1978

*Date reissued:*

April 17, 1979

*Date of issuance:*

December 15, 1978

*Date amended:*

SEE PAGE 3



*By direction of the Administrator*

*Acting*

*Donald Armstrong*  
Chief, Los Angeles Area Aircraft  
Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this Supplemental Type Certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

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### TRANSFER ENDORSEMENT

Transfer the ownership of Supplemental Type Certificate Number \_\_\_\_\_

to *(Name of transferee)* \_\_\_\_\_

*(Address of transferee)* \_\_\_\_\_  
*(Number and street)*

\_\_\_\_\_  
*(City, State, and ZIP code)*

from *(Name of grantor) (Print or type)* \_\_\_\_\_

*(Address of grantor)* \_\_\_\_\_  
*(Number and street)*

\_\_\_\_\_  
*(City, State, and ZIP code)*

Extent of Authority (if licensing agreement): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date of Transfer: \_\_\_\_\_

Signature of grantor *(In ink)*: \_\_\_\_\_

United States of America  
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(Continuation Sheet)

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Description of Type Design change: Installation of a maximum of eight auxiliary fuel tanks in the forward and aft cargo compartments in accordance with FAA approved Drawing List TA-18-1004, or later FAA approved revisions, as shown on Page 4 for each configuration. An FAA approved Airplane Flight Manual Supplement, or later FAA approved revisions, is required as part of this installation as shown on Page 4 for each configuration.

Limitations and Conditions: The approval of this change in type design applies basically to the Boeing 727-100 advanced or upgraded models with maximum gross weight capabilities, as indicated in table on Page 4. This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of the above listed airplanes. Approval of each configuration is applicable only to the airplane serial numbers shown on Page 4.

AMENDMENT LISTING

- 1-4-80 (A) Added 727-17, Serial Number 20512, ATS Drawing List TA-18-1004, Rev. P, dated 11-7-79
- 9-22-80 (A) Added 727-76, Serial Number 20228, ATS Drawing List TA-18-1004, Rev. R, dated 4-23-80
- 5-4-81 (A) Added 727-29C, Serial Number 19987, ATS Drawing List TA-18-1004, Rev. T, dated 11-14-80
- 6-17-81 (A) Added 727-76, Serial Number 19254, ATS Drawing List TA-18-1004, Rev. R, dated 4-23-80
- 6-17-81 (A) Added 727-76, Serial Number 20371, ATS Drawing List TA-18-1004, Rev. R, dated 4-23-80
- 6-17-81 (A) Added 727-23, Serial Number 20045, ATS Drawing List TA-18-1004,, Rev. R, dated 4-23-80
- 11-10-81 (A) Added 727-35, Serial Number 19835, ATS Drawing List TA-18-1004, Rev. V, dated 8-31-81
- 11-10-81 (A) Added 727-193, Serial Number 19620, ATS Drawing List TA-18-1004, Rev. V, dated 8-31-81
- 12-4-81 (A) Added 727-46, Serial Number 19282, ATS Drawing List TA-18-1004, Rev. V, dated 8-31-81

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(Continuation Sheet)

*Number* SA3810WE

Boeing Model & Eligible Serial No.'s	Max. Taxi (1) Wt. Lb/BAC Master Chg. No.	Aux. Tank (2) Configuration & Master Dwg. List TA-18-1004	Boeing AFM DC-8727	AFM (2) Supplement	Boeing Wt. & Bal. & Loading Manual	ATS Wt. & Bal. & Ldg. Man. Supplement
727-51 19121	<u>161,000</u>	-503 Rev C 12-8-78	.14	TA 7-3 1-30-81	D6-7693	TA 7-1 2-2-81
19123	<u>161,000</u>	-503 Rev C 12-7-78	.14	TA 7-3 1-30-81	D6-7693	TA 12-2 2-2-81
727-17 20512	<u>170,000</u>	-504A Rev P 11-7-79	.57	TA 116 1-4-80	D6- 21100.57	TA 122 12-26-79
727-76 20228	<u>170,000</u> 2400-152K	-504 Rev R 4-23-80	.6	TA 128 9-12-80	D6-7692	TA 130 8-25-80
19254	<u>170,000</u> 2400-187	-504 Rev R 4-23-80	.6	TA 128 Rev A	D6-7692	TA 130 Rev F
20371	<u>170,000</u> 2400-152K	-504 Rev R 4-23-80	.6	TA 128 Rev A	D6-7692	TA 130 Rev F
727-29C 19987	<u>170,000</u>	-504C Rev T 11-14-80	.31	TA 169 5-1-81	D6- 21000.31C	TA 170 11-3-80
727-23 20045	<u>170,000</u> 2400-207K	-504 Rev R 4-23-80	.3	TA 128 Rev A	D6-21100.3	TA 130 Rev F
727-35 19835	<u>161,000</u>	-504A Rev V 8-31-81	.43	TA 116.1	D6-21100.43	TA 122 Rev C
727-193 19620	<u>161,000</u>	-504 Rev V 8-31-81	.30	TA 128 Rev B	D6-21000.30	TA 130 Rev H
727-46 19282	<u>163,801</u>	-504 Rev V 8-31-81	.65	TA 128 Rev C	D6-21100.65	TA 130 Rev I

- Note: (1) If aircraft is certificated for operation at 170,000 lbs. by incorporation of the appropriate Boeing Master Change the STC approval is extended to this configuration. Refer to applicable section of weight and balance supplement.  
(2) Consulting Aerospace Engineers, Inc. for the -503 configuration; Aircraft Tank Service, Inc. for all other configurations.

END

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